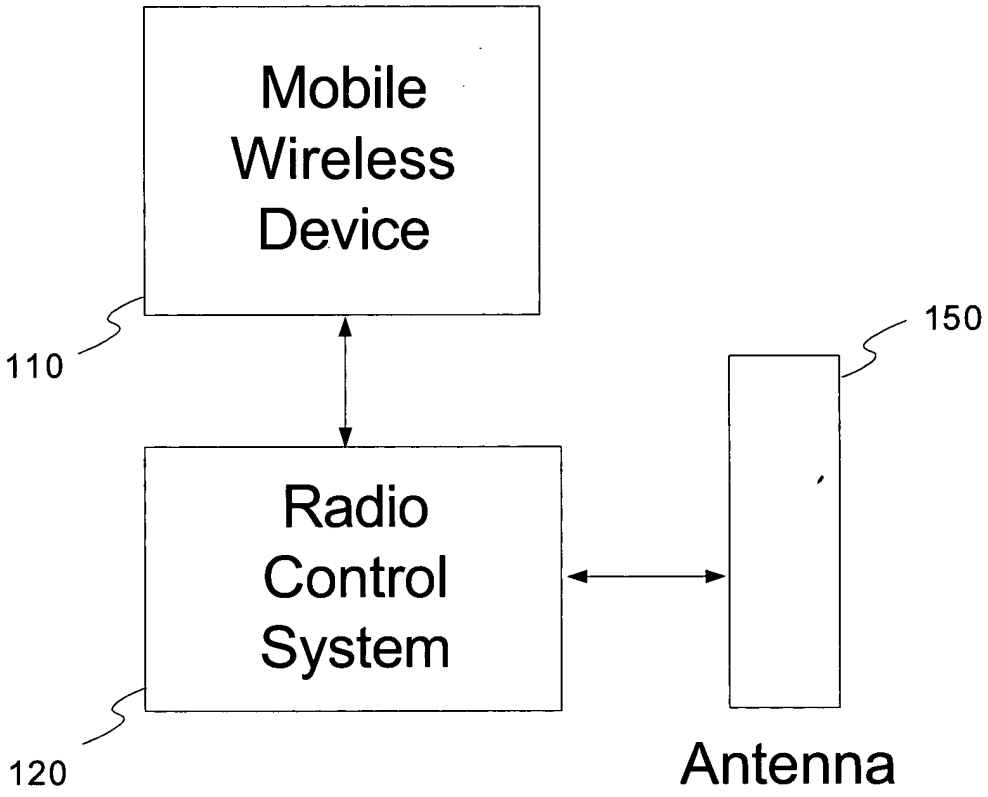
Mobile
Wireless
Device
110
150
Radio
Control
System
120
Antenna

FIG. 1

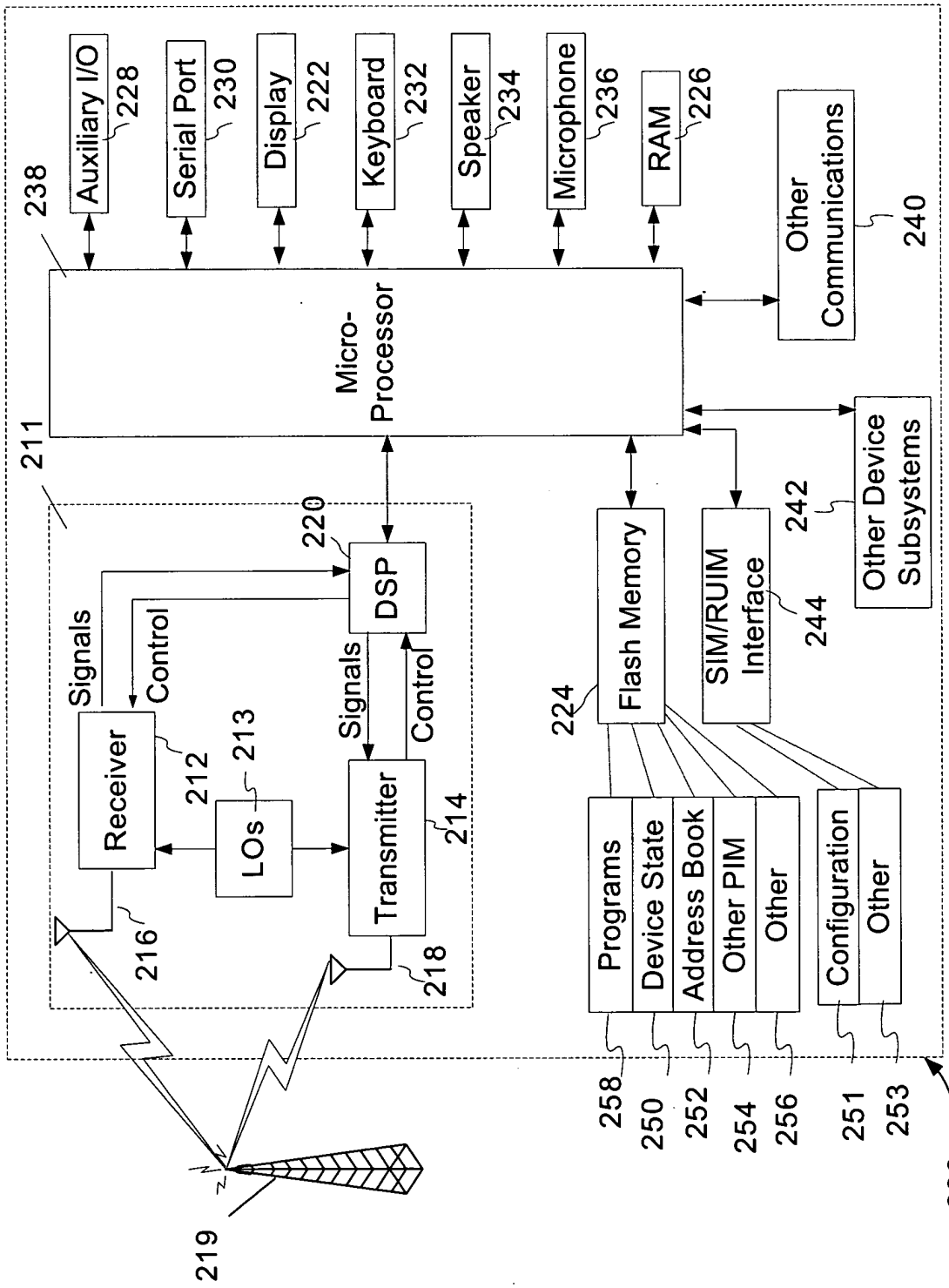
Auxiliary I/O
228
Serial Port
230
Display
222
Keyboard
232
Speaker
234
Microphone
236
RAM
226
238
Micro-
Processor
211
Other
Communications
240
Other Device
Subsystems
242
SIM/RUIM
Interface
244
Flash Memory
224
DSP
220
Signals
Control
Receiver
212
213
LOs
Signals
Control
Transmitter
214
216
218
219
Programs
Device State
Address Book
Other PIM
Other
Configuration
Other
258
250
252
254
256
251
253
200

FIG. 2

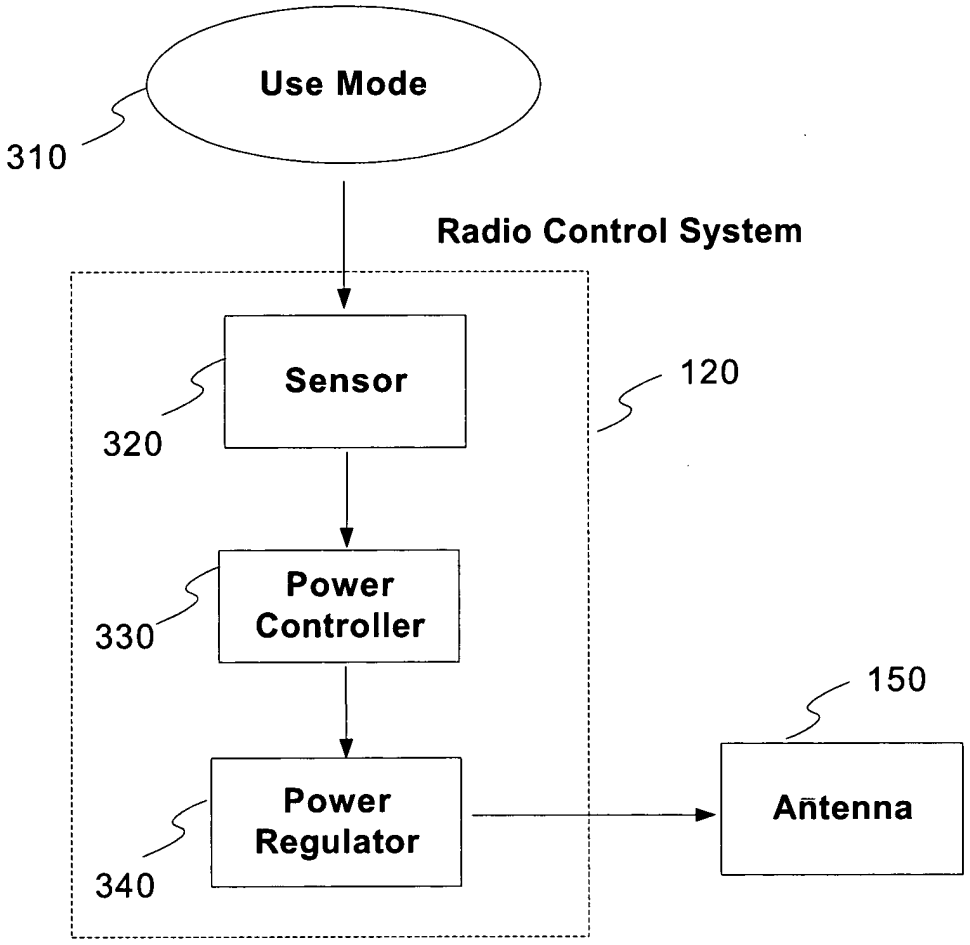
Use Mode
310
Radio Control System
Sensor
320
120
Power Controller
330
150
Power Regulator
340
Antenna

FIG. 3

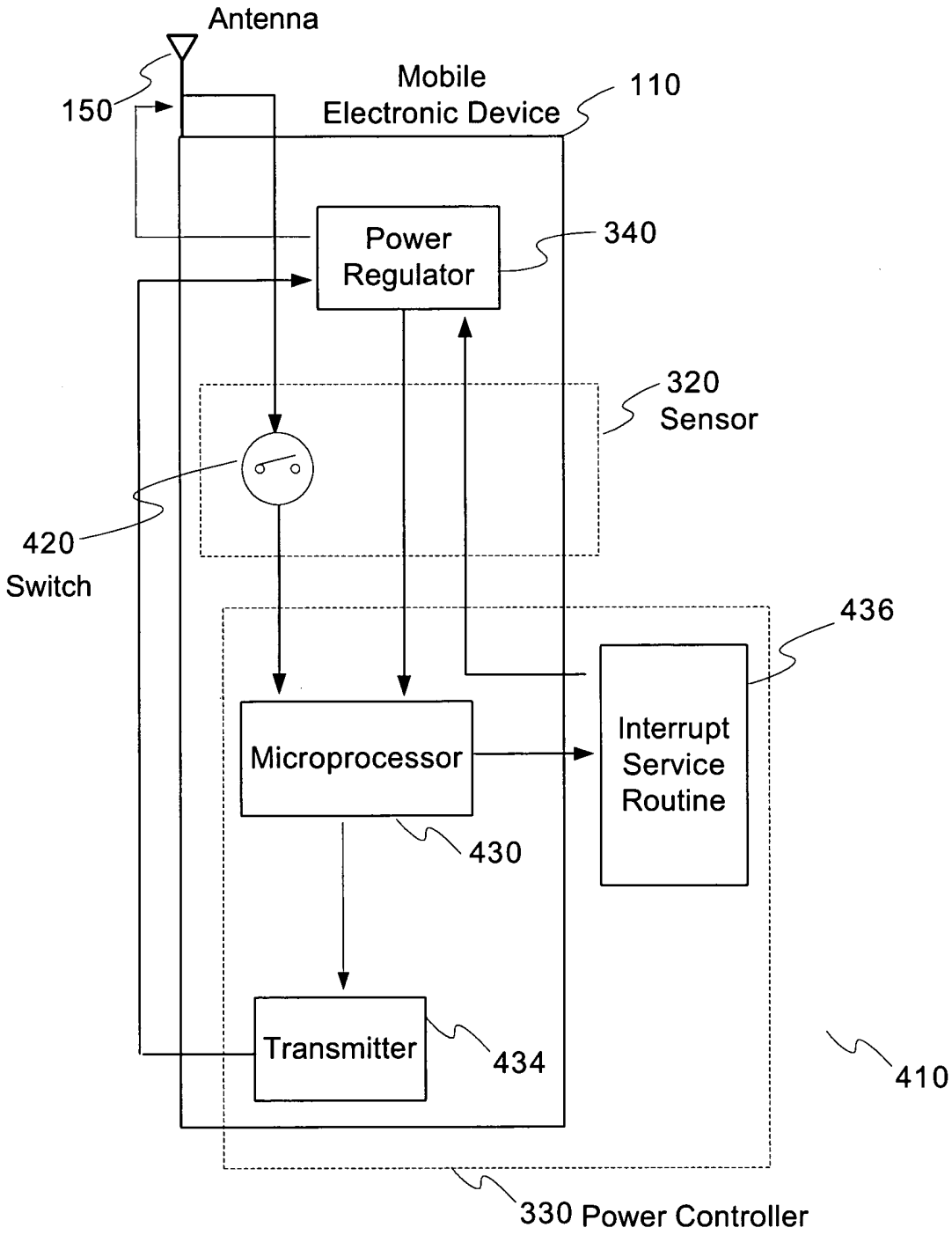
Antenna
150
Mobile
Electronic Device
110
Power
Regulator
340
320
Sensor
420
Switch
436
Microprocessor
Interrupt
Service
Routine
430
Transmitter
434
410
330 Power Controller

FIG. 4

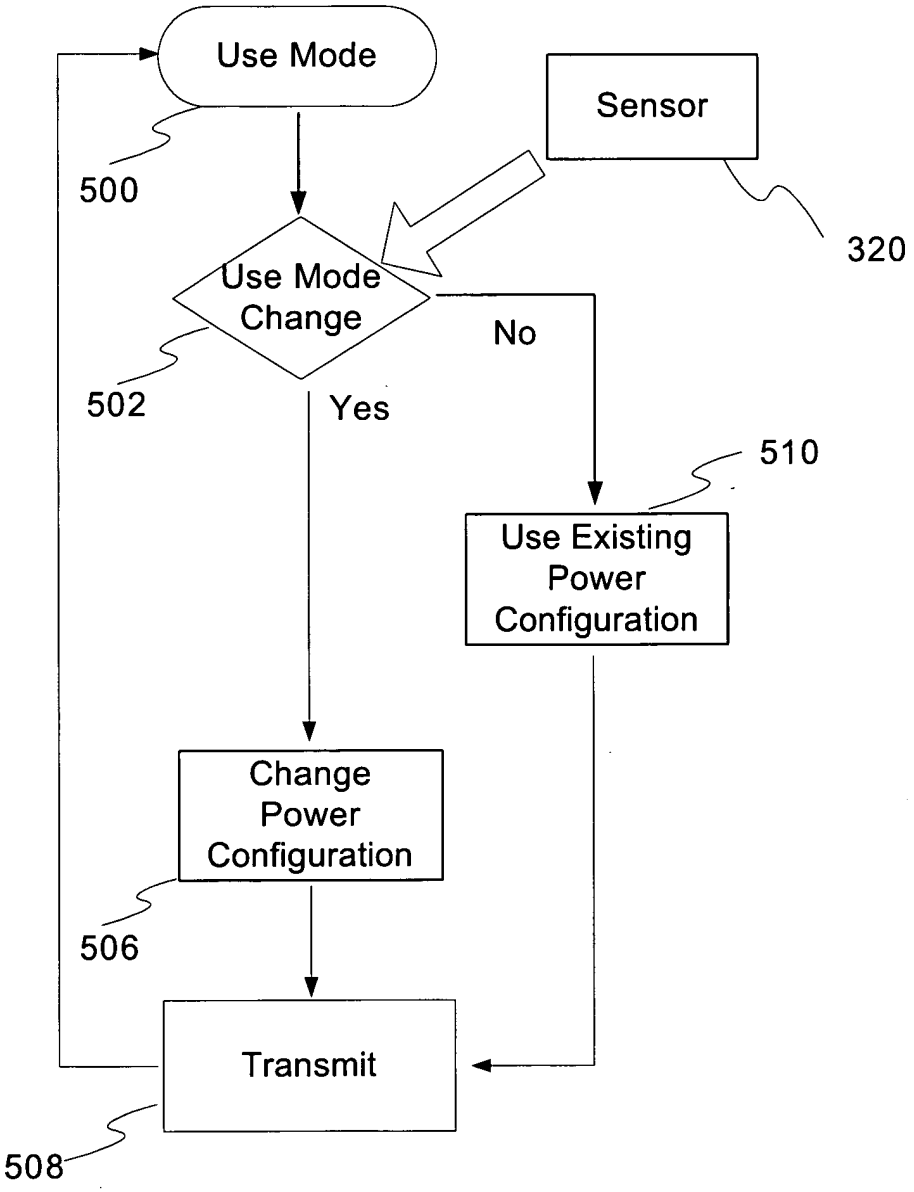
Use Mode
500
Sensor
320
Use Mode Change
502
No
Yes
510
Use Existing Power Configuration
Change Power Configuration
506
Transmit
508

FIG. 5

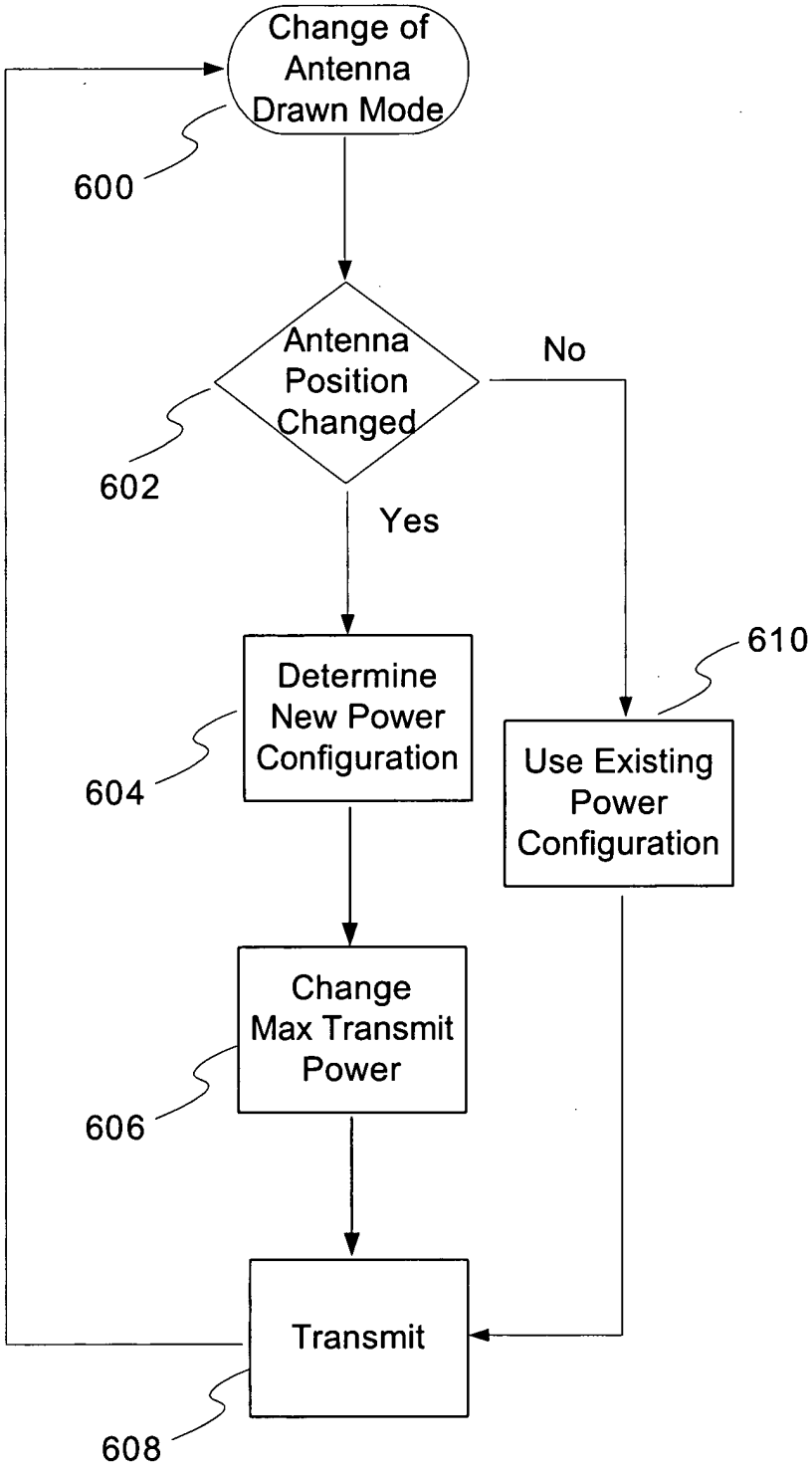
Change of Antenna Drawn Mode
600
Antenna Position Changed
602
No
Yes
Determine New Power Configuration
604
610
Use Existing Power Configuration
Change Max Transmit Power
606
Transmit
608

FIG. 6

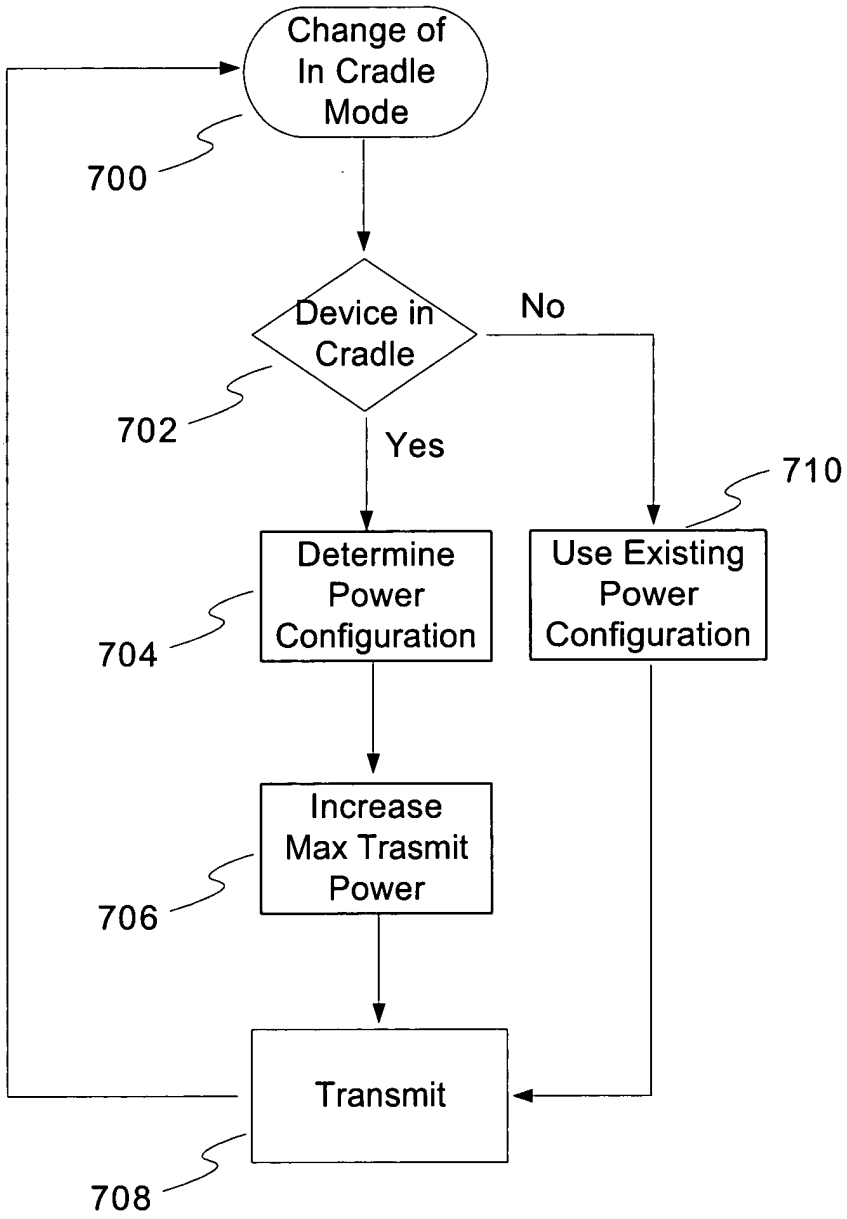
Change of In Cradle Mode
700
Device in Cradle
No
702
Yes
710
Determine Power Configuration
Use Existing Power Configuration
704
Increase Max Trasmit Power
706
Transmit
708

FIG. 7